

Audio - Types of microphones

H2GY1K

LECTURE
SUMMARY

Covered in this lecture:

Picking your microphones

- ▶ There are some types of videos where audio is the most important element - for instance, when someone is explaining something, you need to hear them clearly
- ▶ Bad audio can take viewers out of the experience and make them stop the video and move on to something else
- ▶ Bad lighting is not a game-ender in most cases, but bad audio definitely is
- ▶ In movies, audio can create moods by using music and sound effects
- In marketing videos, the main aspects to focus on are:
 - clearly capturing what people say
 - eliminating all background noises
- **You will need microphones to pick up the sounds, and audio recording devices to record it in order to be synced with the video in the editing phase**
- ▶ Some microphones can be connected directly to your camera so you can skip the recording device
- ▶ **Never use the mic embedded into the camera (on board microphone) because the audio quality will be low**

► Types of microphones:

● **#1 Shotgun mic**

- long, thin, used to capture sound from a specific direction
- it's attached to a boom stand that points into the direction of the sound you want to capture
- the closer it is to the speaker, the less noise it picks up from the room
- they can be expensive but they deliver the best audio quality

● **#2 Lavalier mic**

- small microphone that you can clip onto your shirt
- they can be wired or wireless
- it's used when subjects are moving around or the space is too wide and you don't want a shotgun mic in the frame
- they capture pretty good sound and are cheaper, but they're not as good as a shotgun and you can see them on the subject's shirt
- keep in mind that any motion might create a rubbing noise that the lav will pick up

● **#3 USB mic**

- they're good for recording things directly into your laptop, like a screencast